

Mike and Tami Katz

From: Tami Katz [tami.katz@sncorp.com]
Sent: Friday, January 31, 2020 5:34 AM
To: Home
Subject: Fwd: INCOSE IW2020 Outbrief to the RWG

Sent from my iPhone

Begin forwarded message:

From: Tami Katz <info@incose.org>
Date: January 30, 2020 at 7:43:17 PM MST
To: Tami Katz <tami.katz@sncorp.com>
Subject: [EXTERNAL] INCOSE IW2020 Outbrief to the RWG
Reply-To: Tami.Katz@SNCorp.com

Greetings INCOSE Requirements Working Group!

We had a very successful IW2020, and this note is to share what we accomplished and our plans going forward into the year. Please see our RWG Connect site for IW2020 to see a summary debrief, photos, the agenda, and links to the slides and minutes from the RWG sessions at the IW:

<https://connect.incose.org/WorkingGroups/Requirements/RWGIW2020/layouts/15/start.aspx#/SitePages/Home.aspx>

RWG Accomplishments at IS2020 include:

- Generated strategy for RWG products for 2020.
 - New product to be worked on the *Needs and Requirements Life-Cycle Manual*;
 - Generated plan for completing the *Guide to Developing and Managing Needs and Requirements* and the *Guide to Verification and Validation*;
 - Established roles and responsibilities for existing and new RWG products; the new *Needs and Requirements Life-Cycle Manual* is led by Lou Wheatcraft, *Guide to Developing and Managing Needs and Requirements* is led by Kevin Orr, and *Guide to V&V* is led by Raymond Wolfgang
- Coordinated with *INCOSE SE Handbook* editors to plan forward on SE Handbook updates and RWG contributions
- Coordinated with IVV WG for *Guide to V&V* and *Needs and Requirements Life-Cycle Manual* content with respect to verification and validation
- Held discussions on Integrated Data as a Foundation of Systems Engineering, including review of various approaches that could be developed to achieve the vision of the RWG white paper
- Pascal Paper held an overview of approach for modeling requirements and design functions to address early requirement and design verification (simulation). Pascal made a request to RWG to provide feedback on the proposed *Requirements on Modeling*

requirement Method and then to benchmark alternative methods to PMM targeting the same modelling goals, will be coordinating an opportunity for RWG input. (more on this below)

- John Nallon held an SETDB Requirement Tool Outbrief and Discussion, along with request for RWG forward actions on tool survey maintenance, inputs to tool, and vetting of tool vendor submissions (more on this below)
- JD Baker held a discussion regarding the OMG request for information regarding the relationship between business requirements and system requirements in the context of the OMG; the RWG membership is encouraged to provide input to the RFI
- Jim Marsh provided a demonstration of IBM's Requirements Quality Assistant, with request for data to help IBM continue to develop the tool.
- Held active discussions on requirement challenges, and opportunities for future webmeetings for the RWG team.

Requests for help needed -

1. We are planning monthly webmeetings to share ideas with the requirement working group community. I have a few volunteers already but I can use more. If you would like to share information with the RWG during a monthly webmeeting, please notify me by email and I will coordinate this further.

2. During IW the Systems Engineering Tools Database Prototype (SETDB) was demonstrated. The SETDB team would like you to take a look at it, kick the tires, take the prototype for a ride and provide us feedback on your likes, dislikes, wants and needs. Please follow this link and take a peek!! The Systems Engineering Tools Database Prototype at www.incose.org/setdbtest. You can use the FEEDBACK button on the SETDB Home page to provide feedback. You can also e-mail the development team at SETDBTeam@ppi-int.com with your feedback.

RWG Action: SETDB would also appreciate RWG help with finalizing the tool vendor survey.

Please consider the following categories and for each help determine if it is valid and if so, what questions would be appropriate to add to the SETDB survey for the vendors to fill out:

Requirements Review, Requirements Hazards and Risk, Usability Analysis, Feasibility Analysis, Risk Analysis, Decision Analysis, Constraints Capture. Responses can be supplied to the SETDB team email above.

3. Pascal Paper from Airbus provided an introduction to his work on Property Modeling Methodology, modeling and simulation methodology to obtain a more preventive approach in (functional) systems development to address early requirement validation as well as early design and product verification. His slides are in the Saturday folder ("What can PMM bring to DDMS").

RWG Action: Pascal has a request to the RWG membership to review his proposed Requirements on Modeling requirement Method and volunteer to provide a benchmark for his alternative methods to PMM on a project. Further discussion and feedback can be provided to him directly at pascal.paper@airbus.com.

And finally, a request from INCOSE...

INCOSE is looking to produce a series of videos, short and long, to showcase globally the breadth, depth, and excitement around being a systems engineer and a part of the world of systems engineering. The videos will show the importance of systems engineering in providing

effective solutions across a multitude of domains. We are reaching out to you, to ask if your Chapter has content in the form of video, that you can share to be a part of this impactful messaging around systems engineering and INCOSE, and if you reach all your members for new material that could be possibly integrated in one INCOSE video.

The video content can be specifically on systems engineering, engineering or technology application, but the central core is “all about people”. The new material can be an interview style video or something different touching the following three questions:

- Today as Systems Engineer I....
- I think that SE is important in my daily work because....
- I imagine that 30 years from now System Engineering will....

The format of the video shall be suitable for web application, therefore a 16:9. How and where the video is filmed we leave that to your fantasy, can be a frontal formal interview, can be filmed while walking through a power plant, or seated in the working space...it can be a group interview, or solo...You can use professional equipment, or your newest mobile phone (filming in the horizontal way), help us to show that the INCOSE community is large, diverse, and inclusive! Remember, for all the new material just at the end of the contribution please read out loud “#INCOSE30 Challenge”.

How to submit:

Please contact Luca Stringhetti at l.stringhetti@skatelescope.org or click on <http://incose30challenge.merthin.net/>

Thank you RWG members that attended the IW! I will be sending an announcement early February on the first of the webmeetings we will be hosting.

Tami Katz

RWG Chair

Disclaimer: the content of this email does not necessarily represent the views of INCOSE.

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